



**STIC Biotechnology Systems Branch**

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/524,860  
Source: pg 110  
Date Processed by STIC: 3/2/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

## 1.

SERIAL NUMBER: 101324,860

- No Invalid



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/524,860

DATE: 03/02/2005

TIME: 13:07:31

Input Set : A:\PH-1839PCT-US(sequence).txt

Output Set: N:\CRF4\03022005\J524860.raw

3 <110> APPLICANT: Nichirei Corporation  
 5 <120> TITLE OF INVENTION: Method of the detection of Vibrio vulnificus and primers and probes  
 6 therefor  
 8 <130> FILE REFERENCE: PH-1839-PCT  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/524,860  
 C--> 10 <141> CURRENT FILING DATE: 2005-02-18  
 10 <150> PRIOR APPLICATION NUMBER: JP 2002-255126  
 11 <151> PRIOR FILING DATE: 2002-08-30  
 13 <160> NUMBER OF SEQ ID NOS: 20  
 15 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

(same error in sequence 1)

Does Not Comply  
Corrected Diskette Needed

40 <210> SEQ ID NO: 2  
 41 <211> LENGTH: 819  
 42 <212> TYPE: DNA  
 W--> 43 <213> ORGANISM: *mandatory response needed - see item 10 on Error Summary Sheet*  
 45 <400> SEQUENCE: 2  
 46 actcgtgaag gcgaaatcga catcgctaam cgaattgaag atggtatcaa ccaagtacag 60  
 47 tcstctgttg ctgaataccc aggaaccatt ccttatattc tkgaacagtt cgacaaagta 120  
 48 caagcggaag aacttcgect mactgatctt atcagtggtt ttggtgatcc aaatgcagat 180  
 49 gaaacggcwg ctccaaccgc aacacacaty gggttcagagc ttgcagaatc tgatttgga 240  
 E--> 50 gatgaagaca ayaccgacat cgacgatgaa gacgaagaynnnnnngaaga tggcgattca 300  
 51 agcagygtt cagaggamga tgtcggcatc gaccctgaaa tggcgctaga gaagttyact 360  
 52 carcttcgta acagctayca gaatctgcaa cttgccktra atgaacatgg tcgagagagt 420  
 53 gctcaaacag ctcaagccca tgaactgatg ctgatgtgt ttaaagagtt tcgtctaacd 480  
 54 ccgaagcagt ttgaccattt ggtaacgaa cttcgcaccg cyatggatcg cgttcgtack 540  
 55 caagarcgyt tgatcatgaa rtctgcggtg gaaatcgcsa aratgccraa gaartcktty 600  
 56 atygcwctct tyactggcaa cgartcwarc gaagaatggt tagatmagat cctmgyytct 660  
 57 gayaagcrt acgyagaaaa gatyaaarctk cacgaagaag acattcgtcg ttcaatcdcc 720  
 58 aagctaagag caattgaaga agaaacgtcg ctttcagtra rcaacatcaa agacatcagc 780  
 59 cgtcgtatgt ctatmggtga agcmaaagct cgccgtgcg 819  
 62 <210> SEQ ID NO: 3  
 63 <211> LENGTH: 648  
 64 <212> TYPE: DNA  
 W--> 65 <213> ORGANISM: *mandatory response needed see p. 2*  
 67 <400> SEQUENCE: 3  
 68 ccaatgggcc gtatcgttga aatttttgggt ccagaatctt caggtaaaac cacgttgacc 60  
 69 cttgagctga tcgctgcr gc tcaacgtgaa ggcaaaactt gtgcgtttat cgatgcygag 120  
 70 cacgcgttrg atcctgtgta tgcgaagaar cttggcggtwa atatcgacca rttrttggta 180  
 71 tctcagccyg ayabgggtga acaagcrttg gaaatctgtg atgckcttgc tcgctcaggk 240  
 72 gcggttgayg ttattgttgt cgaytctgtk gcmgcattga crccaaaggc agaaatyga 300

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/524,860

DATE: 03/02/2005

TIME: 13:07:31

Input Set : A:\PH-1839PCT-US(sequence).txt

Output Set: N:\CRF4\03022005\J524860.raw

E--> 73 ggtgagatgg gygaytcgca catgggtctn caagctcgta tgctmtctca agcgatgcgt 360  
74 aagytaacgg gkaacctaaa rcagtctaac tgtatgtgta tcttcatyaa ccagatycgt 420  
75 atgaagatyg gkgtgatgtt tggtaaycca gaaaccacaa crggtggtaa cgcwctgaaa 480  
76 ttctacgctt ctgtwcgtct tgatattcgc cgtactggtg cratcaaaga aggygatgag 540  
77 gtmgtgggta aygaaacgcg yatcaaagtg gtgaagaata agatcgctgc gccgtttaaa 600  
78 gaagccaaya cycaaattat gtayggccar ggcwtttaacc gygaaggy 648  
269 <210> SEQ ID NO: 20  
270 <211> LENGTH: 21  
271 <212> TYPE: DNA  
272 <213> ORGANISM: Artificial Sequence  
274 <220> FEATURE:  
275 <223> OTHER INFORMATION: Description of Artificial Sequence:primer  
277 <400> SEQUENCE: 20  
278 tcaaccgcmc ctgagcgagc a 21  
E--> 280 1/10

see p. 3  
for error  
explanation

delete

VARIABLE LOCATION SUMMARY

DATE: 03/02/2005

PATENT APPLICATION: US/10/524,860

TIME: 13:07:32

Input Set : A:\PH-1839PCT-US(sequence).txt

Output Set: N:\CRF4\03022005\J524860.raw

*error explanation*

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:2; N Pos. 280,281,282,283,284,285

Seq#:3; N Pos. 330

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/524,860

DATE: 03/02/2005

TIME: 13:07:32

Input Set : A:\PH-1839PCT-US(sequence).txt

Output Set: N:\CRF4\03022005\J524860.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:20 M:201 W: Mandatory field data missing, <213> ORGANISM  
L:43 M:201 W: Mandatory field data missing, <213> ORGANISM  
L:50 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2  
L:65 M:201 W: Mandatory field data missing, <213> ORGANISM  
L:73 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3  
L:167 M:283 W: Missing Blank Line separator, <220> field identifier  
L:253 M:283 W: Missing Blank Line separator, <400> field identifier  
L:280 M:254 E: No. of Bases conflict, LENGTH:Input:10 Counted:22 SEQ:20  
L:280 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2  
L:280 M:252 E: No. of Seq. differs, <211> LENGTH:Input:21 Found:22 SEQ:20



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q86151

Takeshi KOIZUMI et al

Appln. No.: 10/524,860

Group Art Unit: Unknown

Confirmation No.: 2817

Examiner: Unknown

Filed: February 18, 2005

For: PRIMER AND PROBE FOR DETECTING *Vibrio vulnificus* AND DETECTION  
METHOD USING THE SAME

**STATEMENT TO SUPPORT FILING AND SUBMISSION IN  
ACCORDANCE WITH 37 C.F.R. §§ 1.821-1.825**

**MAIL STOP SEQUENCE**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In connection with the Sequence Listing submitted concurrently herewith, the  
undersigned hereby states that:

1. the submission, filed herewith in accordance with 37 C.F.R. §1.821(g), does not  
include any new matter;
2. the content of the six (6) page Sequence Listing being filed herewith, and the attached  
computer readable copy of the Sequence Listing, submitted in accordance with 37 C.F.R. §1.821(c)  
and (e), respectively, are identical; and
3. all statements made herein of my own knowledge are true and that all statements  
made on information and belief are believed to be true, and further, that these statements were  
made with the knowledge that willful false statements and the like so made are punishable by

**Statement to Support Filing and Submission  
in Accordance with 37 C.F.R. §§ 1.821-1.825  
U.S. Appln. No. 10/524,860**

fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent resulting therefrom.

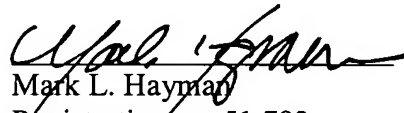
Respectfully submitted,

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

  
Mark L. Hayman  
Registration no. 51,793

Date: September 26, 2005